

DFD-6854-59

12 October 1959

MEMORANDUM FOR: Chief, Operations Branch

THROUGH :



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SUBJECT : Recording Device to Document Blind Air Drops

REFERENCE : Memo DFD-6586-59, 28 September 1959, same subject

1. It is feasible to incorporate an O-15 radar scope recording camera on the navigation radar sets in C-54, C-118, and C-130 airplanes. These airplanes have the following navigation radar installations:

C-54	APS-42
C-118	APS-42
C-130	APN-59 (except a few very early C-130's)

2. There are no camera adapter kits available off the shelf; however, similar equipment has been used in the past and development of sufficient adapters can be accomplished within 30 days after the "go ahead" is received. It is recommended that four (4) APS-42 and two (2) APN-59 adapters be procured. It is estimated that these six (6) units will cost \$2,500. (This does not include the cost of the O-15 cameras.)

3. It is recommended that four (4) O-15 cameras be procured with one (1) extra magazine for each camera. The cameras will cost:

4 O-15 Camera @ \$651	\$2,604
4 Exposure & Frequency Controls @ \$609	2,436
8 Magazines @ \$223	1,784
TOTAL	\$6,824
Plus Adapters (para 2)	2,500
TOTAL COST OF PROJECT	\$9,324

The O-15 camera systems are available off the shelf.

25 YEAR RE-REVIEW

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4. It should be pointed out that the navigation radar systems are forward looking and will not scan the DE when directly over it. Operations Branch should ascertain that photo interpreters can establish the location of the DE from the scope picture that is presented.

5. RECOMMENDATIONS

a. That Operations Branch submit a Program Approval for \$9,324 to procure the above scope photo equipment.

b. After the Project Approval is approved, the Materiel Branch procure the off the shelf camera items (para 3).

c. After the Project Approval is approved, the Developments Branch develop and procure the adapter kits (para 2)

[Redacted]
Major, USAR
Developments Branch

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